

Material Safety Data Sheet

Series 71100

1 Company and Product Identification

Manufacturer's Name: STAR BRONZE COMPANY, INC.
PO Box 2206
Alliance, Ohio 44601-0206

Emergency Telephone: 330-823-1550

Information Telephone: 330-823-1550

Identity: **71100 Zip-Guard Urethane Wood Finish Satin, Oil Modified Polyurethane Coating**

Date Prepared: March 13, 2002 (revised)

2 Ingredient Composition Information

Ingredient CAS No.	% by weight	--- PPM ---	
		OSHA PEL	ACGIH TLV
Mineral Spirits 8052-41-3	50	100	100
Aliphatic Petroleum Distillates 64742-88-7	2	500	100
Aliphatic Petroleum Distillates 64742-47-8	< 2	500	--
Aromatic Petroleum Distillates 64742-95-6	< 2	NE	NE
Aromatic Petroleum Distillates 64742-94-5	< 2	NE	NE
Ethylene Glycol Mono Butyl Ether 111-76-2	< 2	5 (skin)	25 (skin)
Ethyl Benzene 100-41-4	.125	100	100
Oil Modified Polyurethane Resin --	30	--	--
Alkyd Resin --	10	--	--

Section 313: Supplier Notification. This product contains the following toxic chemicals, subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986, and of 40 CFR 372: **Ethylene Glycol Mono Butyl Ether and Ethyl Benzene.**

This information must be included in all Material Safety Data Sheets that are copied and distributed for this material.

3 Physical and Chemical Properties

Boiling Range: 300°F - 500°F

Evaporation Rate: Slower than Butyl Acetate

Percent Volatile: 58.3%

Percent Non-Volatile: 41.7%

Appearance and Odor: Amber colored liquid, typical hydrocarbon odor

VOC: 528 grams/liter

VOS: 4.4 lbs/gal

Vapor Density: Heavier than air

Weight per Gallon: 7.4 lbs

Solubility in Water: negligible

Specific Gravity: .889

Vapor Pressure: 2 mm Hg @ 20°C

Solvent Density: 0.788 (6.56 lbs/gal)

4 Fire and Explosion Hazard Data

Flash Point: 102°F (Seta closed cup)

Flammable Limits: Unknown

LEL: Unknown **UEL:** Unknown

Extinguishing Media: Carbon Dioxide, dry chemical, foam, water fog.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Unusual Fire and Explosion Hazard Data: Keep containers tightly closed when not in use. Keep away from heat, sparks, pilot lights and other flames and other sources of ignition. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Water fog may be used to cool containers. Air oxidation of this product may cause it to spontaneously ignite. To avoid spontaneous combustion, place all soiled rags, papers, wastes, etc. in a closed metal container and remove to out of doors or soak in water in closed metal container.

HMIS Codes: Health 3, Flammability 2, Reactivity 0

NFPA Codes: Health 2, Flammability 2, Reactivity 0

5 Reactivity Data

Stability: Stable

Conditions to Avoid: High heat and ignition sources.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition of by-products: Usual products of combustion, carbon monoxide, carbon dioxide, and toxic vapors.

Hazardous Polymerization: Will not occur.

6 Health Hazard Data

Routes of Entry: Inhalation YES, Skin YES, Ingestion YES

Health Hazard Acute and Chronic:

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system

effects, including dizziness, weakness, fatigue, nausea, headache, unconsciousness or in extreme cases, death. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or prove fatal.

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. May be harmful if absorbed through skin.

Eyes: Can cause irritation, redness, tearing, blurred vision.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea, aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.

Chronic Overexposure: Excessive exposure may cause permanent brain and nervous system damage, liver and kidney damage, cataracts and eye damage.

Medical Conditions Aggravated by Exposure: unknown

Carcinogenicity: This material contains ethylbenzene which is listed by the International Agency for Research on Cancer (IARC) as a group 2B cancer causing agent (possibly carcinogenic to humans).

Emergency First Aid Procedures:

Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration, keep person warm, get medical attention.

Skin: Thoroughly wash exposed area with soap and water.

Eyes: Immediately wash or flush eyes thoroughly with large amounts of water, occasionally lifting upper and lower lids. Get medical attention.

Ingestion: If ingested DO NOT induce vomiting, keep person warm, quiet, and get medical attention immediately. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

7 Precautions for Safe Handling & Use

Steps to be taken in case material is released or spilled:

Small Spill: Wipe up with absorbent material. Transfer to closed container.

Large Spill: Eliminate all ignition sources (flames, pilot lights, sparks), contain liquid. Ventilate area and avoid breathing vapors. Clean up with absorbent material and place in closed container for disposal.

Waste Disposal Method:

Small Spill: Incinerate (do not incinerate closed containers), or use secure landfill in accordance with local, state and federal regulations.

Large Spill: Dispose of by sending to licensed reclaimer or permitted incinerator, according to local, state and federal regulations.

Precautions to be taken in handling and storing: Store in cool, dry area. Avoid flames and high temperatures. Store upright to prevent leaks. Keep containers tightly closed.

Other precautions: None

8 Control Measures

Respiratory Protection: Appropriate respirator selected and used in accordance with OSHA Sub Part 1 (29CFR 1910.134) required when air borne contaminants are likely to exceed acceptable limits.

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV or PEL. Recommend a minimum air exchange of 200 cu. ft. per minute for every 1,400 cu. ft. of room space, sufficient to create air draft.

Protective Gloves: Neoprene rubber gloves (for spills or excessive contact).

Eye Protection: Where there is reasonable probability of eye contact, wear safety goggles.

Other Protective Clothing or Equipment: Wear appropriate equipment to prevent repeated and prolonged skin contact.

Work/ Hygienic Practices: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mist. Wash thoroughly after handling and before eating, drinking or smoking. Remove any contaminated clothing promptly and clean thoroughly before reuse.

9 Transportation Data

DOT Proper Shipping Name: Paint

DOT Class: None

DOT ID Number : None

DOT Packaging Group: None

This material is not regulated by DOT when shipped in containers less than 120 Gallons.

10 Regulatory Information

Reportable quantity (Rq): N/A

Toxic Substances Control Act: All ingredients are listed or comply with TSCA Inventory

SARA 311/312 Hazard Categories: Health - Immediate Health, Delayed Health, Fire

California Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

The information and recommendations contained herein have been compiled from sources believed to be accurate and reliable. The information herein is given in good faith, but no warranty, expressed or implied, is made.